

Wall-Mount DC Cable Connector

Positive / Negative



Positive



Negative

High Voltage & Polarity-Safe Design

Rated for 1500V DC and 120A, ideal for high-power DC applications.

Dual-pole sizes — Positive Ø10.7 mm, Negative Ø12.1 mm — prevent reverse connection.

Available in Orange (Positive) and Black (Negative) for quick polarity identification and safer wiring.

Durable & Weatherproof Construction

IP67-rated when mated, ensuring dustproof and waterproof protection.

Operates from -40°F to 257°F and withstands 48-hour salt spray testing.

Housing: Glass-fiber reinforced nylon (PA+GF) — high strength, flame-retardant (UL94 V-0), and impact resistant.

Contacts: Copper alloy for excellent conductivity (≤ 0.5 mΩ), low resistance, and oxidation protection.

Quick & Secure Connection

Snap-lock mechanism for fast, tool-free connection (Insertion ≤ 60 N, Withdrawal >10 N).

360° rotatable after mating for flexible cable alignment and wall-mountable for organized and stable installation.

Vibration-resistant structure prevents accidental disconnects during operation.

Wide Application & Certification

Ideal for solar energy systems, energy storage systems (ESS), electric vehicles, industrial DC equipment, RVs, and marine power systems.

Certified by UL, CE, and RoHS for proven safety and reliability.

SPECIFICATIONS

Model	RS-8001	RS-8002
Electrical		
Rated Voltage	1500 V DC	
Rated Current	120 A	
Contact Resistance	≤ 0.5 mΩ	
Insulation Resistance	≥ 5000 MΩ (Dry)	
Dielectric Withstand Voltage	6800 V/min	
Polarity Color	Positive (Orange)	Negative (Black)
Mechanical		
Locking Mechanism	Snap-Fit	
Mounting Type	Wall Mount	
Ternimal Type	Crimp	
Compatible Cable	4AWG / 25 mm²	
Recommended Strip Length	13-14 mm	
Mating Cycles	100 times	
Insertion / Withdrawal Force	≤ 60 N / > 10 N	
Environmental & Physical		
IP Rating	IP67 (Mated)	
Operating Temperature	-40°F to 257°F (-40°C ~ +125°C)	
Flammability	UL94 V-0	
Dimensions	2.60 × 0.63 in (66 × 16 mm)	
Net Weight	1.31 oz (37g)	
Certifications & Compliance		
Safety	UL , CE	
Environmental	RoHS	